

ABSTRACT

A kernel-mode shimming system and method are disclosed herein. The kernel is a shared environment. Accordingly, many different kernel-mode drivers utilize services provided by the kernel. Furthermore, when shimming of drivers is necessary, it is

5 desirable to support shim reuse amongst drivers with similar problems or issues, rather than generating a customized shim for each driver. To facilitate kernel-mode shimming and shim reuse, context information needs to be retrieved and maintained so that shims can identify particular driver calls and preserve driver specific linkage information. The

present invention accomplishes the forgoing by employing an intermediate structure, a
10 content component, between a client or driver call and a common shared shim to provide the shim with contextual information. A system is also provided herein to implement and support kernel-mode shimming with driver specific context information.